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A REGISTER of the Weather, Bearing of the Winds, and the Quantity of Rain fallen

January. 8, 12, 9.

Day	Weather	Winds	Clouds	Barom.	Ther	Rain.
1	Froſt	S E b. S o		29. 77		
	Fair	S S E 1		73		
	Snow			43		
	---Rain---					
2	Warmer	S 3		21		o. 63
	and Rain	S b. E 3		28. 76		o. 29
		S 3	S by W	57		o. 37
3	Same					
		S b. W 3		47		
	Cloudy	S S W 3	SW by W	44	110	
4	Fairer	S W 4		56	109	
		S W 4		72	108	
	Froſt	S W 3		29. 22	85	
5	and	S 1		29	94	
	Fair					
	---Rain---					
	Rain	S o		28. 67	104	o. 75
6	Warm			61	105	
	Snow	S 5				3. 48
	ſmallFro.	S W 2		29. 00	85	
7	Fair	SWb.W 3	S by W	08	86	
	Rain	S by W o	S W	19	85	o. 03
	Froſt	S W o	W S W	34	85	
8	and	W by S 1	S W	44	88	
	Fair			70	88	
	hard Fro.			72		
9	and					
	Fair			73		
		E by S 1	E S E	82	85	
10	Same	S E by E 2		82	89	
				60		
	---Rain---					
		S W 2	W S W	59	101	o. 40
11	Cloudy	SWb.W 2	W	59	99	
				71	102	
	Cloudy	SW by So		69	103	
12		S W 2		66	109	
	Miſling		W by S	59	101	
	---Rain---					
	Fair	SWb.W 3	W	48	93	o. 16
13		W by S 3	W by N	42	107	
	Cloudy			48	93	
	Fairer					
14		N by W 4	N by W	53	94	o. 14
	Cloudy			97	96	
	---Rain---					
		N 1		30. 12	90	o. 16
15	Cloudy	N by W 1		14	94	
	Day			17	82	
	Froſt	W by S o	N by W	10	81	
16						
	Cloudy			15	93	
		NWb.W o		22	94	
17	Foggy	N W o		24	100	
				27	94	
	Fog	W o		26		
18						
	Fog					
19						

February. 7, 12, 9.

Weather	Winds.	Clouds.	Barom.	Ther	Rain.
Fair	S W 1		29. 43	98	
Pleaſant	W by S 2	S W	53	108	
Day	W by S o		77	83	
SmallFro.	W S W o	W N W	88	79	
Hazy	S by W o		91	95	
Rain	S 1		85	100	o. 05
Rain	S S E 3	S by E	59	100	
	S by W 3	S W	51	105	
Fair	SWb.W 1		64	92	1. 05
SmallFro.	W S W 1	W N W	74	82	
Fair	W 2	N by W	80	101	
Cloudy	S 1	S W	73	89	
---Rain---					
Cloudy	SWb.W 3	W S W	48	104	o. 37
Fair	W S W 3	W	51	113	
Rain	W by S 3	W	48	91	
SmallFro.	W by N 1		76	85	
Fair					
Rain			52	93	
Violent	W 8	W by N	28. 99	103	1. 52
Storms	W NW 10	N W	29. 22	101	
			78	92	
Cloudy	N W o	NWby N	98	88	
Fair	S by W 1	N W	30. 00	101	
Cloudy			29. 88	99	
Miſling	W SW 3	W by N	79	106	
Fair			30. 07	87	o. 20
Hoar Fro.	S W 2	N N W	02	88	
ſomewhat	W 3	N	03	109	
Fair			01	95	
Cloudy	W by S 1	N W	29. 98	87	
	S W 2	W by N	99	107	
Fairer			98	96	
Fair	S W 2	N by W	94	84	
Hazy	S W 3	N W	84	102	
Clou. Rain	5		46	101	
	Weſt 4	W	34	107	o. 02
---Rain---					
Cloudy	E by N 2	N E	37	10:	1. 50
			52	97	
	E by N o		76	93	
Cloudy	E by N 1	W by S	82	109	
---Rain---			83	94	
Fair and	W NW 1		84	91	o. 09
Pleaſant	N W 1		93	110	
---Rain---			80	99	
	W by S 3		71	87	o. 13
Fair	W by N 4		77	104	

of the Winds, Flying of the Clouds, Height of the Mercury in the Ba
of Rain fallen at Upminſter, *in* Eſſex, *for the Firſt Six Months of*

rom.	Ther	Rain.
7, 12, 9.		
43	98	
53	108	
77	83	
88	79	
91	95	
85	100	0. 05
59	100	
51	105	
64	92	1. 05
74	82	
80	101	
73	89	
48	104	0. 37
51	113	
48	91	
76	85	
52	93	
8. 99	103	1. 52
9. 22	101	
78	92	
98	88	
0. 00	101	
9. 88	99	
79	106	
0. 07	87	0. 20
02	88	
03	109	
01	95	
9. 98	87	
99	107	
98	96	
94	84	
84	102	
46	101	
34	107	0. 02
		1. 50
37	101	
52	97	
76	93	
82	109	
83	94	
84	91	0. 09
93	110	
80	99	
71	87	0. 13

March. 6, 12, 9.

Weather	Winds.	Clouds.	Barom.	Ther	Rain.
Fair					
Sleet	N by E 2		29. 26	86	0. 12
Snow	N by W 3		40	82	
Fair			64	80	0. 04
Hard Fro.	NWb.No		72	68	
Fair	W 1		77	96	
Cloudy	W by S 1	N W	78	96	
Cloudy	N by W 2	N N E	82	93	
Rain	N 2		91	98	
Cloudy	N 2		30. 02	90	0. 02
Froſt	N W 0	N	11	79	
Cloudy	N by E 1	N by W	15	94	
Fairer	N by W 0		19	77	
Hard Fro.	N N W 0		11	65	
Fair	E 1	N by E	07	96	
Cloudy	S by E 0		29. 95	87	
	S E 1	S by E	82	82	
Fair	S E by S 2	S E	83	107	
Cloudy			88	89	
	E S E 0	N E by E	97	82	
Fair	E by N 2		30. 05		
			11	85	
Froſt and	N E 0		12	80	
	E N E 2		13	98	
Cloudy			14	87	
	N by E 0	E	10	85	
Cloudy	N by E 1		11	103	
			08	91	
Small	E by N 0		00	86	
Rain	S by W 2	S	29. 97	102	
			93	92	0. 41
	S 1		84	93	0. 18
Cloudy	S by W 1		84	106	
			78	97	
Rain	S by W 1		63	93	0. 01
	S by E 1		58	102	
Fairer			69	88	1. 68
Froſt	W 0		80	81	
Fair					
Cloudy			84	108	
	S W by S 2	W by S	87	107	
Cloudy			30. 02	116	
Cloudy	S W 1	W S W	04	112	
Fair	S W 2		02	127	
Cloudy			29. 99	110	
Fair	S 2	S by W	84	108	
Hail			30. 12	92	0. 05
ſmall Fro.	S W 0		19	78	
Fair and	W 2		22	112	
Pleaſant			09	94	
Cloudy	S W by S 3		29. 88	98	

April. 6, 12, 9.

Weather.	Winds.	Clouds.	Barom.	Ther	Rain.
Rain	W by N 1	N W	29. 37	93	
and	N 4			39	102
Hail				52	98	0. 27
	N N W 3			50	92	
Same	N 2			53	102	
	N by E 2	N E		61	95	0. 14
	N 2	N E by N		63	88	
Cloudy	N E b. N 3			67	108	
	N by E 3	N E by N		79	93	
Fairer	N by E 3	N E		85	90	
Day	N E 4			90	107	
	N by E 2			91	86	
Froſt and	N by E 2			83	82	
Fair	N E 2			75	109	
Cloudy				69	95	
	E by N 0	N		55	92	
Cloudy	E S E 1	S		46	112	
				43	95	
Cloudy	S E by E 1	S E		37	85	
Cold	E 2			36		
Fair				28	98	
Cloudy	N 2			17	98	
wth ſome	N by W 1			12	103	
Drops				17	98	
Cloudy	S 0	N W		13	97	
	S 1	S W		15	115	
Rain				16	97	0. 52
Fair	S by W 0	S W		23	93	
	S 1			31	124	
Cloudy				43	104	
	N 1			46	99	
Rain	N 3	N N E		48		
				52	101	0. 07
	N E 3			59	103	0. 35
Cloudy	N E 4			70	113	
				83	99	
Cloudy				90		
Fair	N E					
Cloudy				86	97	
Cloudy	N E by E 3			82	104	
Fair	E N E 3	E		83	121	
Rain				76	108	0. 19
Cloudy	N E by N 1	E		64	105	0. 05
Rain	S W 1	S W		61	118	
Fairer				61	101	0. 97
Cloudy	S by W 1			58	101	
	S 1			50	129	
Fair				36	103	
Rain	W S W 2			21	103	
Fair				25	99	0. 21
Hoar Fro.	S W 1			34	85	
Fair						
Rain	S 1			34	100	
Fairer	E 2			28	103	0. 02

Weather.	W
	W
Fair	N
Fair	
Dry	
Rain	S
Cloudy	S
	W
Showers	W
Fair	S
Rain	
Fair	W
Thunder	S
Rain	
Hoar Fro.	S
Fair	S
Shower	
	S
Fair	S
	S
Fair	S
Fair	
and	
Warm	E
	N
Same	N
	N
Same	N
Fair	N
and	N
Dry	
	N
Same	N
Cloudy	N
	N
Fair	E
	E
Same	
Cloudy	N
Fair	E
Cloudy	
	E
Cloudy	N
	N
Fair and	N
Hot Day	
	N

cury in the Barometer, and of the Spirits in the Thermometer, Six Months of the Year 1699.

6, 12, 9.								May.								June							
Ther	Rain.	Weather.	Winds.	Clouds.	Barom.		Ther	Rain	Weather.	Winds.	Clouds.	Barom.		Ther	Rain	Weather.	Winds.	Clouds.	Barom.		Ther	Rain
93			W by S 1	N W	29.	84	112		Very Dry	S W 2	W by S	30.	08	132								
102		Fair	N W 1				138		Hot Day													
98	o. 27												00	138								
92		Fair							Fair	S W by So	S W by S	29.	91	132								
102		Dry																				
95	o. 14	Rain	S by W 3			65	113		Rain				85	134	o. 01							
88		Cloudy	S W by W 2			47	120	o. 34		W 2			90	123								
108			W S W 3			38	133															
93		Showers	W 3			35	106	o. 19														
90		Fair	S W 1			34	105															
107																						
86		Rain				11	99	o. 88														
82		Fair	W by S 2			17	90															
109		Thunder	S W 1			31	118															
95		Rain				40	98	o. 29														o. 01
92		Hoar Fro.	S S W 1			51	92	o. 08	Fair													
112		Fair	S W 3			58	121		and													
95		Shower				69	107	o. 01	Dry	W by S 2			72	120								
85			S by W o			79	98			W by S 3	W by N		78	121								
		Fair	S by E 2	S		81	137			W 2			82	142								
98						87	108															
98			S 1			90	102															
103		Fair	S 2			93	143															
98																						
97		Fair																				
115		and							Great													
97	o. 52	Warm	E 1			93	115		Drought													
93			N E 1			90	92		Cloudy		N W											
124		Same	N by E 1			88	147			W by N 2	W by N		67	146	o. 53							
104						92	118		Fair	W o			73	125								
99			N by E 3		30.	00	117		Fair	W by S 1			79	126								
		Same	N 2			19	150		Hot													
101	o. 07					21	108		Cloudy	E o			87	128								
103	o. 35	Fair	N by W 2			17	105		Hot and	E 1	W by S		86	138								
113		and	N 4			14	132		Very Dry													
99		Dry				10	108			E by S o			81	136								
			N by E 3			10	110		Fair	E 1			76	131								
		Same	N N E 4			08	137			E by S 1	S E by S		71	158								
97						06	109		Rain	S 1	S by E		70	138	o. 04							
104		Cloudy	N N E 2			05	110			S S W 3			80	126								
121			N by E 2				50			S by W 4	S W by S		92	154								
108	o. 19	Fair	E 1	N N E		01	112															
105	o. 05		E N E 1	N E	29.	99	110															
118		Same																				
101	o. 97					92	100															
101		Cloudy	N E by E 2	E N E		88	108															
129		Fair	E N E 3			87	131															
103		Cloudy				83	110															
103			E N E 3			76	113															
		Cloudy	N E by E 3			72	137															
99	o. 21					71	113															
85		Fair and	N E by N 2			69	115															
		Hot Day																				
100						77	124															
103	o. 02		N 2	N by E		80	113															

11	Cloudy	SWb.W 2			71	102		Fairer				98	96				
—																	
	Cloudy	SW by So			69	103		Fair	S W 2	N by W		94	84				Clou
12		S W 2			66	109		Hazy	S W 3	N W		84	102				
	Misling		W by S		59	101		Clou.Rain	5			46	101				
—	---Rain---																
	Fair	SWb.W 3	W		48	93	0. 16		West 4	W		34	107	0. 02			Rain
13		W by S 3	W by N		42	107											
	Cloudy				48	93											Fair
	Fairer																
14		N by W 4	N by W		53	94	0. 14										Fro
	Cloudy				97	96											Fair
—	---Rain---																Clo
		N 1		30.	12	90	0. 16										
15	Cloudy	N by W 1			14	94											Clo
	Day				17	82											
—	Froſt	W by So	N by W		10	81		---Rain---									Clo
16								Cloudy	E by N 2	N E		37	10:	1. 50			Clo
	Cloudy				15	93						52	97				Fair
—		NWb.W o			22	94			E by N o			76	93				Clo
17	Foggy	N W o			24	100		Cloudy	E by N 1	W by S		82	109				Fair
					27	94						83	94				Hai
—	Fog	W o			26			---Rain---									
18								Fair and	W NW 1			84	91	0. 09			ſma
								Pleaſant	N W 1			93	110				Fair
—												80	99				Plea
	Fog							---Rain---									
19									W by S 3			71	87	0. 13			
					34	77		Fair	W by N 4			77	104				Clou
—												94	90				
	hard Fro.	S o			27	70											---R
20	Fair	S by E 1			24			Froſt	W S W 1			30. 00	82				Clou
	Foggy				21	76		and									Fair
—	hard Fro.	S by E o			18	62		Fair				29. 98	97				Clou
21	Fog	E by N 1	E N E		18	82		Cloudy	W S W 1	W N W		94	92				Fair
	Fair				18	81			W by N 2			92	110				
—								Fairer				91	90				Rain
	Froſt	E by N 1			16	77		Cloudy	W by S 2	W N W		81	84				Hoa
22	and	E by N 2	E by N		18	86		Sleet	N W 3			72	100				Fair
	Fair				19	84		Cold				75	79	0. 09			Clou
—	Cloudy	N E 2			15	87		Hard Fro.	N W 2			83	75				
23	Fair							Fair									Rain
	ſmall Fro				13	81		Sleet				59	86				
—	Froſt	E by N o			13	73		Cloudy	N N W 6			60	92	0. 40			Clou
24	and	E 2			14	88		Bluſtring									Fair
	Fair				12	78		Fairer				91	85				Thun
—	Froſt and	E o			11	73		Fair	NW by W 1			90	83				---Ra
25	Fair Plea-	E 1			12	86			SWb.W 1	N W		82	102				Cloud
	ſant Day				09	79		Cloudy				75	96				
—								---Rain---									Fair
		E o			05	70		Fair and	W 1	W N W		77	86	0. 08			Hoar
26	Same	E 1				88		Pleaſant	W by N 1			83	105				Fair
				29.	96							77	95				Rain
—	Froſt and	E N E o	E		76	76		Rain	W by S 2	W by N		64	99				Fair
27	Cloudy	E by N 1			72	85			NWb.W 3			67	103				Rain
	Fair				59	76		Fair				71	92	0. 45			Hail
—	Rain	S E 2	S E by S		48	89		Cloudy	S W 3	W		58	93				Rain
28	and	S by E 2	S		47	92											
	Thaw				66	93	1. 51							0. 10			
—	Froſt	SWby So	W by N		86	85											Fair
29	Fair	S 1			87	92											Rain
	Rain				72	98											Fair
—	Cloudy	S 2	S		56	107	0. 82										Cloud
30	Warm	S 3	S by W		49	115											
	Day	S S W 3	S W by S		42	109											Fair
—	Cloudy	S by W 2	W S W		49	108	0. 17										Cloud
31		S 3			37	113											Fair
	Rain	S S E 2	S S E		47	109	8. 91						Tot	6. 05			Rain

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| | | |

								21	108										
101	0. 07																		
103	0. 35	Fair and Dry	N by W 2 N 4			17	105			Cloudy	E 0			87	128				
113						14	132			Hot and Very Dry	E 1	W by S		86	138				
99						10	108				E by S 0			81	136				
			N by E 3			10	110			Fair	E 1			76	131				
		Same	N N E 4			08	137				E by S 1	S E by S		71	158				
97						06	109			Rain	S 1	S by E		70	138	0. 04			
104		Cloudy	N N E 2			05	110				S S W 3			80	126				
121			N by E 2								S by W 4	S W by S		92	154				
108	0. 19	Fair	E 1	N N E		01	112												
105	0. 05		E N E 1	N E	29.	99	110												
118		Same																	
101	0. 97					92	100												
101		Cloudy	N E by E 2	E N E		88	108												
129		Fair	E N E 3			87	131												
103		Cloudy				83	110												
103			E N E 3			76	113												
		Cloudy	N E by E 3			72	137												
99	0. 21					71	113												
85		Fair and Hot Day	N E by N 2			69	115												
100						77	124												
103	0. 02		N 2	N by E		80	113												
125		Fair	N E by E 3			83	146												
110			E by S 0			86	115												
89			N E 2			86	110			Some Cloudy	W N W 1			88	148	3. 61			
		Same	E by S 2			86	143			some Fair	W N W 0	N W by N		92	128				
115						83	110				W 0	N N W		95	130				
110		Cloudy	N N E 1			80	112				S 1	N W		98	163				
131		Hot and	E by N 2			76	148												
115		Fair	N E 3			75	120												
97		Fair Hot and Dry	N E 2			72	112												
130						66	115												
110																			
104		Cloudy	N E by N 1	N by E		66	109			Fair Hot Day	S E 1			93	165				
131			E 1	N		59	134							93	141				
113		Fair	E 1	W		49	145			Fair	S E 1			94	140				
109		Rain	N N E 3	N by E		43	117			Sultry	N by W 1	W		94	165				
							113			Rain	E 1			93	140	0. 20			
110		Fair				50	106	0. 08		Fair	E 0	W by N		89	140				
102		Fair	N N W 2	N by W		53	102			Hot	W by S 1			87	166				
		Hail	N by W 3			55	120			Day	S W by W 2			82	144				
105		Fair	E by S 0			57	107	0. 61											
109	0. 71	Fair	E by S 1	N by W		55	104				W 2	W by N		76	142				
123		Rain	S W 2	W by S		57	132			Fair									
100		Fairer	W 0			62	113	0. 10			N W 2			84	134				
91		Fair	S W 1			65	109				N W 2	N W by N		98	130				
124		Cloudy	S W 1	S		67	140			Same	S 2	W	30.	01	158				
105	0. 01	Fair	S 0			66	118						29.	96	125				
89		Fair	E 1	S E		61	122				W S W 2	W		90	133				
122			E 2	S		57	150			Same	W N W 2	W		91	161				
101		Sultry	E 0	E S E		58	131							92	125				
92		Rain									W N W 2			96	118				
129			E 0	N W		63	124	0. 09		Same	W by S 1			99	143				
104														99	135				
106											N W b. W 1	N W		99	135				
135										Same	N W b. W 3			97	162				
117											E 1	N		97	139				
Tot.	3. 44	Hot and Dry	W by S 2		30.	08	140	2. 67						Tot.	4. 40				

A REGISTER of the Weather, Bearing of the Winds, and the Quantity of Rain fallen

July. 6, 12, 9.

Day	Weather.	Winds.	Clouds.	Barom.	Ther	Rain
1	Misling	NE by E 1		30. 00	134	
	Hot and	E S E 2	N	00	150	
	Fair			29. 97	122	
2	Fair	E S E 1		96	125	
	and	N E 2		92	150	
	Hot			87	124	
3		E 1		83	131	
	Same	E 2		82	157	
				78	129	
4	Fair	E by N 1		74	120	
	Cloudy					
	Fair	NE by N 1		80	135	
5	Fair	N 2		85	123	
		N 2	N N E	87	150	
	Cloudy			90	125	
6		N by E 1		90	120	
	Cloudy	N N E 2		90	143	
				86	115	
7		NE by No	E by N	84	120	
	Fair	E 1		81	147	
				78	125	
8	Fair	E by S 1		79	116	
	and	W N W 1	W by N	82	165	
	Hot	NWb.No		90	143	
9		N by W 1		30. 01	132	
	Same	NWb.W 1	N W	03	153	
				04	131	
10				01	119	
	Same					
		W		29. 88	147	
11	Hot and	W by S 2		89	140	
	Dry	W by N 2	N W	89	162	
				92	143	
12	Sultry	E by N o		97	140	
	Hot	E N E 1		97	178	
	Cloudy			97	143	
13	Very Hot	E by S o		96	133	
	and	E S E 1	S by E	97	173	
	Dry			90	142	
14	Sultry	E 1		87	136	
	Rain and	E by S 2	E by N	88	164	
	Thunder			91	139	o. 64
15	Cloudy	NE b.N 2		93	136	
	Fair and	N E 3		90	164	
	Dry			87	136	
16	Fair	N E 2		87	140	
	Hot and	E 2	N E	88	172	
	Dry			89	134	
17		E by N o		91	138	
	Same	E by N 2		93	167	
				99	131	
18	Cloudy	N by E 3		30. 03	130	
	Cool	N 2		06	142	
	Day			06	127	
		N 2		01	126	

Auguſt. 6, 12, 9.

Weather.	Winds.	Clouds.	Barom.	Ther	Rain.
Fair	S by W 4	S S W	29. 32	128	
Rain	SW by S 4		33	145	
Cloudy	S W 8		36	130	o. 07
Fair	W by S 1		62	118	
	W S W 1	W by S	70	142	
Cloudy			63	131	
Cloudy	N N W 1	W S W	56	123	
Fair			72	117	
Cloudy	N N W o	W by S	75	105	
Fair	E by S 2	W by N	71	147	
Rain			50	123	
Rain	E by S o	S W by S	37	125	4. 38
	S W 1	W	31	139	
Fairer			63	127	o. 46
	S o		67	125	
Showry	S 2		59	139	
			50	139	o. 08
Fairer	S W 4		39		
Rain			32	126	
Fair	S W 4		30	118	o. 75
	S W 3		33	141	
Rain			55	117	o. 66
	S W 2	W S W	63	116	
Fairer	SW b.W 3		66	145	
			69	125	
Fair	SW by S 3		70	119	
	S W 3		72	150	
Cloudy			72	131	
Fair	S 1	S S W	65	116	
	S 3		58	152	
Cloudy —Rain—			43	137	
	N W 1	W by S	49	117	
Fair	W by N 3		57	140	
			65	120	o. 44
Cloudy	S S W 3	N W	67	120	
Rain			65	132	
Cloudy	S W 2		61	131	o. 17
	W by S 2	N W	69	153	
Fair			73	134	
Fair	W S W 2	W by S	73	139	
	W S W 3		72	158	
Rain			75	122	o. 44
	N W 1		87	110	
Fair	NWb.N 2		98	132	
			30. 00	111	
Fair	N N W 1		29. 98	108	
Cloudy			30. 00	116	
	N by W 1		01	110	
Cloudy	N 2	N N E	03	138	
			02	115	
	N 2		29. 97	116	

Weath
Miſt
Fair
Cloud
Same
Fair
Miſt
Fairer
Miſt
Fair
Miſt
Fair
Cloud
Miſlin
Fair
Cloud
Fair
Fair
Miſt
Fair
Same
Miſty
fome
Cloud
Miſty
leſs
Cloud
Same
Very
Rain
Cloud
Rain
Fair
Rain

of the Winds, Flying of the Clouds, Height of the Mercury in the Bar
f Rain fallen at Upminſter, *in* Eſſex, *for the Laſt Six Months of*

om.	Ther	Rain.
32	128	
33	145	
36	130	0. 07
62	118	
70	142	
63	131	
56	123	
72	117	
75	105	
71	147	
50	123	
37	125	4. 38
31	139	
63	127	0. 46
67	125	
59	139	
50	139	0. 08
39		
32	126	
30	118	0. 75
33	141	
55	117	0. 66
63	116	
66	145	
69	125	
70	119	
72	150	
72	131	
65	116	
58	152	
43	137	
49	117	
57	140	
65	120	0. 44
67	120	
65	132	
61	131	0. 17
69	153	
73	134	
73	139	
72	158	
75	122	0. 44
87	110	
98	132	
0. 00	111	
0. 98	108	
0. 00	116	
01	110	
03	138	
02	115	
0. 97	116	

September 6, 12, 9.

Weather.	Winds.	Clouds.	Barom.	Ther	Rain.
Miſt	S W 0		29. 84	98	
	SW by S 2	S	85	145	
Fair	S 0		80	122	
	S E 0	S by E	77	112	
Cloudy			77	130	
	S S E 0	S	67	122	
Same	N W 2	NW by N	65	144	
			72	120	
	NE by N 1	S S E	90	108	
Fair	N 2	N by W	18	138	
			30. 12	115	
Miſt	N 0	E	17	96	
	E 1		18	139	
Fairer			15	112	
Miſt	E 0		07	92	
	E S E 1	E	03	142	
Fair			01	115	
Miſt	E 0		03	97	
Fair	N E 2	N N E	06	47	
Cloudy			15	131	
Miſling.	N by E 2		21	123	
Fair	E N E 3	N E	22	137	
Cloudy			22	121	
	N 1	N E by N	18	116	
Fair					
			12	115	
	E 0		10	97	
Fair	E 2		08	142	
			05	121	
Miſt	E 0		29. 95	110	
	E 1		94	150	
Fair			91	121	
	E 0		89	102	
Same	E 1		90	152	
			90	127	
Miſty	E 0		91	114	
ſomewht.	E by N 1	E	93	143	
Cloudy			93	129	
Miſty	E 0		89	126	
leſs					
Cloudy			89	127	
	S W 1	SW by W	91	122	
Same					
Very Dry			93	134	
Rain	SW by S 0		92	128	
	S S W 1		92	140	
Cloudy			81	122	0. 15
	E 0		59	112	
Rain	S W 1		50	141	
			60	116	2. 36
	W by S 2	N W	82	102	
Fair	W N W 2		88		
			91	106	
Rain	S S W 2	W	80	115	

October. 6, 12, 9.

Weather	Winds.	Clouds.	Barom.	Ther	Rain.
Fairer	E by N 1	E	29. 97	122	
	E 2		93	132	
Cloudy			93	123	
Rain	E by N 2		87	118	
	E by N 1		80	131	
Fairer			73	111	1. 45
----Rain----					
Fairer	E by S 1	S S W	66	115	1. 92
Cloudy	S W 2		67	128	
			73	118	
	S W 0		79	108	
Cloudy					
Fair			98	96	
Hoar Fro.	N N W 1		30. 12	87	
and	N 1		17	112	
Fair			22	89	
	N W 0		18	99	
Cloudy	W by N 1		19		
			20	96	
----Rain----					
	NE by N 1		21	105	0. 07
Cloudy	E by N 1		20	119	
			16	110	
	E 0		07	106	
Same	E by N 2		06	119	
			01	99	
Miſt	E by N 0		29. 92	92	
Fair			85	104	
Miſt	E 1		80	99	
Cloudy					
Miſling			80	120	
Miſt	S E by E 0		75	609	0. 42
Warm	S 2		77	140	
Fair			79	115	
Cloudy	S 0	S by W	77	106	
and	SW by S 3		79	136	
Warm			87	119	
	S by E 2		87	119	
Same	S 2		81	133	
			65	122	
Cloudy	S 3	S S W	57	129	
Miſling	S 2		57	136	
Rain			54	127	
	E S E 2	S E by S	52	122	
Rain	S E 1	S by E	48	130	
			50	122	0. 64
	E 1	S E	50	117	
Fair	E 1	S E by E	56	130	
			61	111	
	N E 2		65	118	
Cloudy	E by N 1		65		
			66	119	
	N E 2		68	116	

Weather	W
	W
Fair	W
----Rain----	
	SW
Fair	S b
Cloudy	
Fairer	S 3
	S 6
Rain	
Fairer	S W
Fair	S W
Cloudy	S W
Fair	
	S S
Fair	S S
Miſty	S S
Fair	
	W
Miſt	W
	S b
Cloudy	S E
Froſt	E
and	E
Fair	
	N
Foggy	N b
Miſt	N N
	E b
Cloudy	
Cloudy	S W
Fair	S W
Cloudy	
Fair	W
	W
Stormy	W
Cloudy	W
	W
Fair	
	W
Fair	W
	N
Fair	W
Froſt	W
	W
Fair	
Froſt	S b

ury in the Barometer, and of the Spirits in the Thermometer, ix Months of the Year 1699.

8, 12, 9. Ther	Rain.
122	
132	
123	
118	
131	
111	1. 45
115	1. 92
128	
118	
108	
96	
87	
112	
89	
99	
96	
105	0. 07
119	
110	
106	
119	
99	
92	
104	
99	
120	
609	0. 42
140	
115	
106	
136	
119	
119	
133	
122	
129	
136	
127	
122	
130	
122	0. 64
117	
130	
111	
118	
119	
116	

November. 8, 12, 9.

Weather	Winds.	Clouds	Barom.	Ther	Rain.
	W 3	W S W	29. 29	95	
Fair	W by N 4		42	103	
			67	99	
----Rain----					
	S W b. W 0	W by S	80	106	0. 28
Fair	S by W 2	S W	85	116	
Cloudy			84	109	
Fairer	S 3			105	
	S 6	S by W	52	119	
Rain			60	102	0. 36
	S W 3	W S W	85	96	
Fairer			92	112	
			96	111	
Fair	S W 3	N N W	98	107	
Cloudy	S W 2	W	30. 01	120	
Fair			03	112	
	S S E 0		02	100	
Fair	S S E 1	S	02	115	
			29. 97	97	
Misty	S S W 2		30. 02	110	
Fair			22	94	
	W 0		27	84	
Mist	W 1		27	98	
			30	101	
	S by E 1		29	100	
Cloudy	S E 1		28	107	
			22	87	
Froft	E 1		16	80	
and	E 1		18	103	
Fair			27	92	
	N 0		31	87	
Foggy	N by E 0		30	101	
			33	96	
Mist	N N E 0	S W by S	30	94	
	E by N 0	S W by W	30	104	
Cloudy			23	103	
Cloudy	S W 1	W by N	09	103	
Fair	S W 3		03	110	
Cloudy			29. 85	109	
Fair	W S W 1		76	103	0. 20
	W S W 4	N W	70	110	
Stormy	W S W 8		36	114	
Cloudy	W 6	N W	53	109	
	W by N 5	N W	63	115	
Fair			84	94	
	W by S 1	W N W	87	89	
Fair	W S W 2	W	88	105	
			80	113	
	N W 3	W	86	103	
Fair	W 1		93	105	
			91	85	
Froft	W S W 3		81	92	
	W S W 3		87	107	
Fair			94	94	
Froft	S by W 0	N W	94	70	

December. 8, 12, 9.

Weather	Winds	Clouds	Barom.	Ther	Rain.
Cloudy	N N W 0		29. 71	73	
Hard Fro.	N W 0		71	76	
Fairer			58	60	
Froft	E by S 3		30	78	
Cloudy	E 4		12	82	
Snow			28. 91	83	
	E 3		61	91	
Rain	E by S 3		52	94	0. 56
			44	100	
Cloudy	E S E 3	S S E	60	98	0. 18
Fair			74	99	
----Rain----					
	S by E 0	S by W	29. 61	99	
Fair	S 2	S S W	14	110	0. 13
			28	103	
----Rain----					
Fair	S 2		26	107	
Rain and	S by E 3	S by W	32	115	0. 74
Warm			39	108	
Cloudy	S 1		50	106	
and			48	112	0. 36
Warm			48	105	
Cloudy	S S E 1	S by E	37	109	
Milling	S S E 3		32	116	
Warm			36	114	
	S E 3		19	113	
Rain	S S E 3		19	117	
			29	112	0. 38
	S by E 1		41	103	
Fair	S by E 2		46	112	
			57	98	
Fair	S W 0		88	92	0. 06
Cloudy			95	108	
----Rain----					
	S by E 2	S by W	84	109	
Cloudy and	S 1	S W	78	115	0. 36
some Rain			73	108	
Cloudy	S W 3		54	110	
	S W b. W 3		57	112	0. 61
Fair			63	104	
	S W 1	W by S	51	102	
Rain	W by S 1		43	108	0. 21
			48	98	
Fair	W by N 2	N N W	64	100	
	N N W 1		69	103	
Cloudy			91	99	
Milling	N N W 1		30. 07	95	
	N 1		14	101	
Fair			27	87	
Froft and	N 0		25	73	
Fair	S W 1		20	88	
Rain			33	90	0. 29
Froft	N W 1		44	82	
Hazy					
Fair			35	76	
Cloudy	W 1	N W	21	81	

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II. *Part of a Letter from the Reverend Mr* Derham *to Dr* Sloane, *giving an account of his obſervations of the weather for the Year 99.*

Upminſter, Jan. 23. $1\frac{699}{700}$.

SIR,

I Here ſend you the Tables of my laſt years obſervations; together with which I think it convenient to ſend ſome few remarks relating thereunto.

I promis'd laſt year the addition of two Columns to each Months obſervations, which are here inſerted. The one ſheweth the *Flying of the Clouds*, concerning which I deſire it may be obſerved, that I have never ſet down the Point towards which the Clouds flew; but when they varied from the Winds. In all thoſe vacancies therefore in the Column of Clouds, it is to be ſuppoſed, that either there were no Clouds at all appeared, or their motion was not diſcernible, or that they flew in the ſame track with the Winds.

Concerning the *Thermometer*, it is neceſſary that I ſhould tell you, that the graduation of it is by Inch-meaſure, *viz.* Inches and tenths of Inches. The point of *Freezing* is at about 8'0, or at moſt 8'2 degrees, and conſequently 'tis *Cold* at about 9'0, and *Temperate* at about 10'0 degrees. I need not ſay, that the Degrees above 100 are *Warm* or *Hot*; and thoſe below 80 are *Harder Froſts*. The Degrees of my Thermometer reach to 24'0, altho I could never make the Spirits deſcend with Artificial Freezing, much lower than 50, neither when expos'd to the heat of a pretty ſtrong Sun, did they aſcend above 225.

The *Scituation* of my *Thermometer* is againſt a Northern Wall in the open Air: whereby it is defended againſt the Heat of the Sun, and ſo ſheweth only the the true preſent Temperature of the Air. 'Tis alſo guarded againſt the Beams of the Morning and Evening Sun, when it riſeth and ſetteth on the Northern ſide of the E. and W. points of the Horizon.

I have thought it unneceſſary for the moſt part, in the Column of *Weather*, to take notice of the Temperature of the Air, whether Hot, Cold, or Moderate, becauſe the Column of the Thermometer ſheweth this. Neither alſo have I ſaid what *Rain* fell, whether much or little, becauſe the Column of Rain ſufficiently demonſtrateth it. So that it is eaſy to obſerve, almoſt at one view, what Seaſons we have had laſt year, whether Hot, Cold, Temperate, Wet or Dry. I need look no farther back for an inſtance, than the laſt Winter-Months, which now, or any time hereafter, we may diſcover to have been very mild, by the Spirits having been for the moſt part above 82 Degrees. Yea, many of the days of *November* and *December*, we may find were not much colder than many of the mornings and evenings of the warmer Months. So alſo for *Wet* and *Dry*, we may find what reaſon there is for the preſent great ſcarcity of Water, which is complained of in many places. For beſides what happened in former Months, the two laſt Months of the Year were much dryer than uſual, ſo that had it not been for the rains of *October*, perhaps a drought had been a General calamity.

I have had frequent confirmations of what I obſerv'd laſt year, (*Phil. Tranſ.* N. 249.) concerning the *Mercury* riſing in Foggy weather. The like it doth alſo in miſling weather; as may be ſeen in divers places of the Table.

I obſerved laſt year, that the higheſt pitch I ever found the Mercury at, was 30,40 inches. But *Dec.* 22. laſt, the Weather being miſling, and Wind Northerly, it aſcended to 30,50 inches, the higheſt I ever ſaw it at *Upminſter*.

Whether the obſervations my Regiſter is filled with, will be of any uſe, to judge of the Fertility or Scarcity, the Healthineſs or Diſeaſes, or any other occurrences of the laſt, or of former or future years, I ſhall leave to the much better judgments of the learned Members of your Honourable Society, who have been pleaſed to accept of my paſt labours of this kind, and by their deſires to command my continuance of the ſame for the future. Whether what I have done may anſwer your expectations, I am not able to judge. I can only aſſure you, that it is done with all poſſible accuracy and fidelity.

I beg pardon for the chaſms which you will meet with in ſome of the months, occaſioned by my abſence from my obſervations about neceſſary affairs. I am

SIR,

Your moſt Humble Servant,

W. Derham.